

Appl. No. : 10/063,713
Filed : May 8, 2002

AMENDMENTS TO THE CLAIMS

- 1-5. (Canceled).
6. (Previously Presented) An isolated nucleic acid comprising:
- (a) the nucleic acid sequence of SEQ ID NO:81;
 - (b) the full-length coding sequence of the nucleic acid sequence of SEQ ID NO:81; or
 - (c) the full-length coding sequence of the cDNA deposited under ATCC accession number 203317.
- 7-10. (Canceled).
11. (Previously Presented) The isolated nucleic acid of Claim 6 comprising the nucleic acid sequence of SEQ ID NO:81.
12. (Previously Presented) The isolated nucleic acid of Claim 6 comprising the full-length coding sequence of the nucleic acid sequence of SEQ ID NO:81.
13. (Original) The isolated nucleic acid of Claim 6 comprising the full-length coding sequence of the cDNA deposited under ATCC accession number 203317.
14. (Previously Presented) An isolated nucleic acid that hybridizes under stringent conditions to:
- (a) the nucleic acid sequence of SEQ ID NO:81 or the complement thereof;
 - (b) the full-length coding sequence of the nucleic acid sequence of SEQ ID NO:81 or the complement thereof; or
 - (c) the full-length coding sequence of the cDNA deposited under ATCC accession number 203317 or the complement thereof;
- wherein said stringent conditions comprise 50% formamide, 5 x SSC (0.75 M NaCl, 0.075 M sodium citrate), 50 mM sodium phosphate (pH 6.8), 0.1% sodium pyrophosphate, 5 x Denhardt's solution, sonicated salmon sperm DNA (50 µg/ml), 0.1% SDS, and 10% dextran sulfate at 42°C, with washes at 42°C in 0.2 x SSC (sodium chloride/sodium citrate) and 50% formamide at 55°C, followed by a high-stringency wash consisting of 0.1 x SSC containing EDTA at 55°C;
- wherein said isolated nucleic acid molecule is suitable for use as a PCR primer, or probe;
- and wherein said isolated nucleic acid is at least about 450 nucleotides in length.
15. (Canceled).

Appl. No. : **10/063,713**
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16. (Previously Presented) The isolated nucleic acid of Claim 14 which is at least about 500 nucleotides in length.

17. (Previously Presented) A vector comprising the nucleic acid of ~~Claim 4~~ Claim 6.

18. (Original) The vector of Claim 17, wherein said nucleic acid is operably linked to control sequences recognized by a host cell transformed with the vector.

19. (Previously Presented) An isolated host cell comprising the vector of Claim 17.

20. (Original) The host cell of Claim 19, wherein said cell is a CHO cell, an E. coli or a yeast cell.

21. (Previously Presented) The isolated nucleic acid of Claim 14 which is at least about 600 nucleotides in length.

22. (Previously Presented) The isolated nucleic acid of Claim 14 which is at least about 700 nucleotides in length.

23. (Previously Presented) The isolated nucleic acid of Claim 14 which is at least about 800 nucleotides in length.

24. (Previously Presented) The isolated nucleic acid of Claim 14 which is at least about 900 nucleotides in length.

25. (Previously Presented) The isolated nucleic acid of Claim 14 which is at least about 1000 nucleotides in length.

26. (Previously Presented) An isolated nucleic acid having at least 95% nucleic acid sequence identity to:

(a) the nucleic acid sequence of SEQ ID NO:81;

(b) the full-length coding sequence of the nucleic acid sequence of SEQ ID NO:81; or

(c) the full-length coding sequence of the cDNA deposited under ATCC accession number 203317;

wherein said nucleic acid hybridizes to the complement of a nucleic acid of SEQ ID NO: 81 under conditions of 50% formamide, 5 x SSC (0.75 M NaCl, 0.075 M sodium citrate), 50 mM sodium phosphate (pH 6.8), 0.1% sodium pyrophosphate, 5 x Denhardt's solution, sonicated salmon sperm DNA (50 µg/ml), 0.1% SDS, and 10% dextran sulfate at 42°C, with washes at 42°C in 0.2 x SSC (sodium chloride/sodium citrate) and 50% formamide at 55°C, followed by a high-stringency wash consisting of 0.1 x SSC containing EDTA at 55°C.

Appl. No. : **10/063,713**
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27. (Previously Presented) The isolated nucleic acid of Claim 26 having at least 99% nucleic acid sequence identity to:

- (a) the nucleic acid sequence of SEQ ID NO:81;
- (b) the full-length coding sequence of the nucleic acid sequence of SEQ ID NO:81; or
- (c) the full-length coding sequence of the cDNA deposited under ATCC accession number 203317;

wherein said nucleic acid hybridizes to the complement of a nucleic acid of SEQ ID NO: 81 under conditions of 50% formamide, 5 x SSC (0.75 M NaCl, 0.075 M sodium citrate), 50 mM sodium phosphate (pH 6.8), 0.1% sodium pyrophosphate, 5 x Denhardt's solution, sonicated salmon sperm DNA (50 µg/ml), 0.1% SDS, and 10% dextran sulfate at 42°C, with washes at 42°C in 0.2 x SSC (sodium chloride/sodium citrate) and 50% formamide at 55°C, followed by a high-stringency wash consisting of 0.1 x SSC containing EDTA at 55°C.

28. (Previously Presented) A vector comprising the nucleic acid of Claim 26.

29. (Previously Presented) The vector of Claim 28, wherein said nucleic acid is operably linked to control sequences recognized by a host cell transformed with the vector.

30. (Previously Presented) An isolated host cell comprising the vector of Claim 28.

31. (Previously Presented) The host cell of Claim 30, wherein said cell is a CHO cell, an E. coli or a yeast cell.